^{48}Ti(^{3}He,α) 1978Fo34,1970Ra29

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	T. W. Burrows	NDS 108, 923 (2007)	20-Feb-2007

1970Ra29: E=13.0 MeV. Measured $\sigma(\theta)$. Energy resolution=30 keV. DWBA.
1978Fo34: E=25 MeV. See ^{48}Ca(^{3}He,α),(pol ^{3}He,α) for details. DWBA.
All data are from 1978Fo34, except as noted. The measurements of the two groups are in good agreement.

^{47}Ti Levels

E(level)	J$^{\pi}$[†]	L[‡]	C^{2}S[‡]	Comments
0.0	5/2$^-$	3	0.19,0.22	
159 *20*	7/2$^-$	3	3.22,3.73	
1566 *20*	3/2$^-$	(1)	0.33,0.37	
1788? *20*				From 1970Ra29. Not reported by 1978Fo34.
1813 *20*	3/2$^+$	2	1.51,1.83	
2157 *20*	3/2$^-$	1	0.06,0.07	Not reported by 1970Ra29.
2358 *20*	1/2$^+$	0	0.78,0.90	
2616 *20*	7/2$^-$	3	0.12,0.14	
2813 *20*	5/2$^-$	3	0.50,0.58	
3220 *20*	7/2$^-$	3	0.48,0.55	
3558? *30*		(3,2)	0.19,0.32	From 1970Ra29; not reported by 1978Fo34. C^{2}S values correspond to the two L-values, respectively.
7.34×10^3 *2*	7/2$^-$[#]	3	0.55,0.48	T=5/2 Additional information 1.
8.14×10^3 *2*	(3/2)$^+$[#]	2[@]	1.13,0.79	T=5/2
8.78×10^3 *2*	1/2$^+$[#]	0[@]	0.36,0.25	T=5/2

[†] Assumed for extraction of C^{2}S.
[‡] From DWBA analysis. The first C^{2}S value is based on the separation-energy method; the second, on an isospin-dependent potential.
[#] Isobaric analog states of ^{47}Sc g.s.,7/2$^-$, 767, (3/2)$^+$, and 1391, 1/2$^+$, respectively.
[@] From 1970Ra29. Used by 1978Fo34 to obtain C^{2}S from $\sigma(5°)$.